

19981106.qrp v01_n268.qrs.981106

Date: Fri, 6 Nov 1998 19:03:22 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1268

QRP-L Digest 1268

Topics covered in this issue include:

- 1) [24266] More flares today
by Paul Harden <pharden@aoc.nrao.edu>
- 2) [24267] 40 meter Receiver Kit?
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 3) [24268] Re: 40 meter Receiver Kit?
by "Ron Smith" <resmith666@uswest.net>
- 4) [24269] Contest Software which Allows Honest Signal Reports
by "Bruce Prior" <n7rr@hotmail.com>
- 5) [24270] Wire / Rope ants... there's hope yet
by hamjoel@juno.com
- 6) [24271] Full Moon Reading List
by "Robert J. Gobrick" <rgobrick@worldnet.att.net>
- 7) [24272] Re: Contest Software which Allows Honest Signal Reports
by Monte Stark <ku7y@dri.edu>
- 8) [24273] Re: CT Shareware
by wa8rxi@juno.com
- 9) [24274] Re: QSK?
by wa8rxi@juno.com
- 10) [24275] Re: Wire / Rope / 2 half-squares?
by w4pj@w4bkx.ampr.org
- 11) [24276] fox whereis
by Jack Bryant <Jack.Bryant@math.tamu.edu>
- 12) [24277] Spartan Sprint Addition
by Richard Fisher <ki6sn@yahoo.com>
- 13) [24278] Contests K0FRP
by alan dawkins <alk0frp@earthlink.net>
- 14) [24279] Re: fox whereis
by "John J. McDonough" <jjmcd@tm.net>
- 15) [24280] RS UNITS FOR 11-2-10 PROJECT
by Mike Duke <K5xu@cris.com>
- 16) [24281] Fox Hunt
by w2xn@juno.com (Fred J Kalt)
- 17) [24282] Re: Contests K0FRP
by "Ken & Linda Burrough" <ne0c@1st.net>
- 18) [24283] N/T+ Fox Reminder
by Zenith9zn@aol.com
- 19) [24284] Thanks fer FOX tonight

by "Wilford D. Lindsey" <70511.3041@compuserve.com>
20) [24285] Nailed One!
by "George T. Baker" <w5yr@swbell.net>
21) [24286] FOX
by Tom Palmer <n1tp@worldnet.att.net>
22) [24287] Marshall is good!
by w4pj@w4bkx.ampr.org
23) [24288] FB Sig across town, OM
by Dick Schneider <rschneid@ix.netcom.com>
24) [24289] Re: Marshall is good!
by Tom Palmer <n1tp@worldnet.att.net>
25) [24290] Re: Marshall is good!
by Paul Harden <pharden@aoc.nrao.edu>
26) [24291] FOX: Quick Report
by "Marshall Emm" <mgemm@mtechnologies.com>
27) [24292] A FOX named MURPHY!
by tom whalen <whalen@swcp.com>
28) [24293] Re: N/T+ Fox Reminder
by "Bill Todd" <bill@willapabay.org>
29) [24294] FOX: Hypnotized by the Furry One
by MJC191@aol.com
30) [24295] SV: miniR2 and R2 phase shifter
by "Johan Bodin" <sm6lkm.jbeab@swipnet.se>
31) [24296] Re: Teaching Ham Radio to Children
by kf2ew@juno.com
32) [24297] restart
by k5ubs@juno.com (Oscar A Hoyt)
33) [24298] VHF/UHF wanted
by K4NK@aol.com
34) [24299] Fox: Got him!
by Shepherd@aol.com
35) [24300] Tandy Model 100
by Rick Sealey <rsealey@InfoAve.Net>
36) [24301]
by DNT1@chrysler.com
37) [24302] Re: miniR2 and R2 phase shifter
by John Levreault <jlevro@mediaone.net>
38) [24303] Re: SV: miniR2 and R2 phase shifter
by n2tpa@juno.com (Bill d Lazure)
39) [24304] Re: miniR2 and R2 phase shifter
by Chris Trask <ctrask@primenet.com>
40) [24305] Re: miniR2 and R2 phase shifter
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
41) [24306] What a Fox!
by DNT1@chrysler.com
42) [24307] RE: Tandy Model 100 Logging/Keyer Program
by Sam Billingsley <SBillingsley@usaninc.com>
43) [24308] An analog man in a Digital world (was: Sweepstakes Logging

program)
 by Al Gritzmacher <ae2t@bigfoot.com>
 44) [24309] Re: FOX: Quick Report
 by Monte Stark <ku7y@dri.edu>
 45) [24310] Re: SSB QRP
 by "KE6VHM Frank" <ke6vhm@earthlink.net>
 46) [24311] FOX The dismal log
 by Brian Murrey <brian@iquest.net>
 47) [24312] RX320DOS.EXE version 1.11 now available
 by Charles Olson <jacksonharbor@worldnet.att.net>
 48) [24313] 2xway QRP WAS at last!
 by "Peter Hardie" <hardie@shaw.wave.ca>
 49) [24314] Re: Filters
 by "KE6VHM Frank" <ke6vhm@earthlink.net>
 50) [24315] Contest/Pls Read and join us: 21 Nov 98 LI/NJ-QRP Doghouse Operation
 Sprint
 by "Kevin F. Glynn" <kfglynn@prodigy.net>
 51) [24316] Re: An analog man in a Digital world (was: Sweepstakes Logging
 program)
 by Ab7wy@aol.com
 52) [24317] Re: 2xway QRP WAS at last!
 by "KE6VHM Frank" <ke6vhm@earthlink.net>
 53) [24318] Re: FOX: SAM /KC5TJA
 by KC5TJA <kc5tja@topaz.axisinternet.com>
 54) [24319] need info
 by bkobie@webtv.net (patrick obrien)
 55) [24320] FOX: NF1N
 by Bruce Ratray <rattray@gpfn.sk.ca>
 56) [24321] FOX - Thanks Marshall
 by Tim Ahrens <tahrens@inetport.com>
 57) [24322] ATTN: BILL CARVER
 by "Steve Hurst" <shurst@magiclink.com>
 58) [24323] Brown Brothers Owners
 by Chuck Adams <adams@ticnet.com>
 59) [24324] Re: miniR2 and R2 phase shifter
 by Paul Harden <pharden@aoc.nrao.edu>
 60) [24325] 10t Pot Report
 by "Jim Fielden" <fielden@utkux.utcc.utk.edu>
 61) [24326] RE: RX320DOS.EXE version 1.11 now available
 by Charles Olson <jacksonharbor@worldnet.att.net>
 62) [24327] 10m Ringo doc's?
 by tom whalen <whalen@swcp.com>
 63) [24328] Re: Tandy Model 100(2) Logging/Msg Keyer Program *Update*
 by Sam Billingsley <SBillingsley@usaninc.com>
 64) [24329] Relays and keys....
 by n5inz@juno.com (John M Andrews)
 65) [24330] Ten Turn POT GROUP BUY
 by Sam Billingsley <SBillingsley@usaninc.com>

- 66) [24331] Sierra and St. Louis Tuner Cases
by mwattcpa@earthlink.net (Marty Watt)
- 67) [24332] Re: 10m Ringo doc's?
by "Radman" <radman@best.com>
- 68) [24333] Re: Sierra and St. Louis Tuner Cases
by elawson@lr.net (Ed Lawson)
- 69) [24334] HR-2600 Mic Question
by Ed Manuel <n5em@flash.net>
- 70) [24335] Re: HR-2600 Mic Question
by Greg Weinfurtner <gweinfurt1@ohiou.edu>
- 71) [24336] SSB Canceling
by =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>
- 72) [24337] Re: Sierra and St. Louis Tuner Cases
by mwattcpa@earthlink.net (Marty Watt)
- 73) [24338] re: HR-2600 Mic question
by MJC191@aol.com
- 74) [24339] NORCAL Dinner
by "Kenneth W. Evans" <w4du@bellsouth.net>
- 75) [24340] FOX: NF1N
by Bruce Rattray <rattray@gpfn.sk.ca>
- 76) [24341] Resonant Speaker project and Patents
by Brad Mugleston <bmug@gwl.com>
- 77) [24342] SWR/efficiency questions
by "KEITH P. JOHNSON" <KeithJ@1800surveys.com>
- 78) [24343] FOX: Proposal to amend FOXHUNT Rules
by Tom Palmer <n1tp@worldnet.att.net>
- 79) [24344] Re: Resonant Speaker project and Patents
by Tom Palmer <n1tp@worldnet.att.net>
- 80) [24345] Smite to new heights
by John Paul Keon <jpkeon@bellsouth.net>
- 81) [24346] Re: FOX: Proposal to amend FOXHUNT Rules
by Chuck Carpenter <w5usj@webwide.net>
- 82) [24347] RE: HR2600 microphones = HTX100 ???
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 83) [24348] Weekend/SS Solar Report
by Paul Harden <pharden@aoc.nrao.edu>

Date: Thu, 5 Nov 1998 17:26:52 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Subject: [24266] More flares today
Message-ID: <Pine.SOL.3.91.981105170923.13086A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Three M class flares today, all producing x-ray emissions, meaning they were energetic events (especially the M8 at 1955UTC). Possible x-class flares are possible from this region next few days ... which could cause major geomagnetic disturbances.

But current conditions are waiting for the shock wave of yesterdays CME, which may trigger active to minor storm conditions over the weekend ... but nothing major!

To see what the solar flux and A-index has been doing lately, go to www.dxlc.com/solar/index.html for this data in simple plot form.
^^ Generally updated daily.

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
SDF NUMBER 309 ISSUED AT 2200Z ON 05 NOV 1998
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100Z
TO 05/2100Z: SOLAR ACTIVITY WAS HIGH. REGION 8375 (N18W21) PRODUCED
THREE M-CLASS X-RAY EVENTS TODAY,
AN M1/1B AT 05/1336
AN M3 AT 1825,
AN M8/2B AT 1955UT

To see the x-ray energy as detected by the GOES satellites, go to www.sel.noaa.gov/today.html (and scroll down the page a bit for the plot)
^^
The M8 flare is VERY obvious.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
MODERATE TO HIGH.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE QUIET TO ACTIVE DURING THE FIRST TWO DAYS OF THIS
PERIOD. THE THIRD DAY IS EXPECTED TO BE ACTIVE TO MINOR STORM AS A
CME (ERUPTED ON 04/0418UT) SHOULD BE ARRIVING AT EARTH.

CLASS M	75/75/75	<-----	75% chance of more M class flares
CLASS X	50/50/50	<-----	50% chance of an X-class flare
PROTON	40/50/50	<-----	40-50% chance of a proton event
PCAF	YELLOW	<-----	Polar cap absorption event Warning

A proton flare event almost always causes geomagnetic disturbances, starting at the poles and causing large absorption in the polar regions, called a PCA or Polar Cap Absorption event.

IV. PENTICTON 10.7 CM FLUX
OBSERVED 05 NOV 153 <----- getting fairly high
PREDICTED 06 NOV-08 NOV 155/150/150
90 DAY MEAN 05 NOV 132

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 NOV 004/005 <----- yesterday, quiet
ESTIMATED AFR/AP 05 NOV 010/012 <----- today (so far), getting noisy
PREDICTED AFR/AP 06 NOV-08 NOV 015/012-015/024-030/032
 ^^^^^^ ^^^^^^ ^^^^^^
 FRI SAT SUN

Fairly active to minor storm conditions are predicted for sat-sun
This is NOT expected to be a MAJOR storm event, and will be most notable
in the higher latitudes.

This is not a biggie coming ... just presented for those interested in
how to read and interpret these things and where to go for more info.

72, Paul NA5N

Date: Thu, 05 Nov 1998 19:44:21 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, w5tb@SoftHome.net
Subject: [24267] 40 meter Receiver Kit?
Message-ID: <36424665.E06F65BC@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

No ideas on the receiver but I do have somethoughts on the audio in the
car. I like to use my MFJ-418 Pocket Morse Code Tutor during the commute
to work to build up my ear skills. The audio on this device does not do
well in the car. What I came up with was one of those units that you
stuff in the car's cassette player designed for use with a portable CD
unit. It's a pseduo-cassette that takes over the player and now I have
tons of audio (with good signal adjustment) coming out of four
speakers. I've seen these CD/cassette units at Radio Shack but I am not
sure of the going price.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Thu, 5 Nov 1998 18:02:45 -0700
From: "Ron Smith" <resmith666@uswest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24268] Re: 40 meter Receiver Kit?
Message-ID: <021b01be0921\$445f0040\$b523e1cf@ron>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>speakers. I've seen these CD/cassette units at Radio Shack but I am not
>sure of the going price.

If you want to spend a little extra, RS has a little FM transmitter that is
usually see them on sale for \$29.95. A friend bought one recently and loves
it. You can set them up for one of three frequencies on your FM dial. The
unit plugs into the CD player or any earphone jack and bingo - no messy wires
to wrap around your feet.

Ron - KD7VD

Date: Thu, 05 Nov 1998 17:16:58 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [24269] Contest Software which Allows Honest Signal Reports
Message-ID: <199811060117.RAA11006@f281.hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain

QRP Gang:

One of the nifty things about Sweepstakes is that the exchange
includes no signal reports. Am I the only QRPer who is allergic to
59/599 signal reports which are given after several repeats, and even
accompanied by comments about a weak signal? The problem is exacerbated
by contest software which requires you to jump up and down on your left
leg while holding your right ear with the left thumb and pointer finger
in order to send an honest signal report during a contest. Does anybody
know of contest software which makes it easy to send an accurate signal
report in a contest exchange? Thanks. I'm looking forward to SS QSOs

with lots of you this weekend from Western Washington. 72, Bruce Prior
N7RR

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 5 Nov 1998 09:53:25 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [24270] Wire / Rope ants... there's hope yet
Message-ID: <19981105.202534.-141581.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

High gang:

The half square with the quarter wave stub in the middle of the phasing line is working just fine in the directions I want it to... not used to things working out that way... :-)

Now a question... how do I set up another half square beside this one so that I can have two elements working for me???

Space em 1/8 wave apart or .1 wave apart and feed them 180* outta phase???

I'm comparing this ant to a two element wire yagi on forty and would like to have a two element half square also...

if the thing was going broadside I could just cut one 6% shorter and put it .1 wave in front of the other, like a yagi, but this an't the case... this is not firing broadside...

The half square sure is a quiet antenna and loves dx... real simple and works fine...

Joel, WA5CVM, in maine, wondering what ski resorts are.... :-) can u qrp em??

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 05 Nov 1998 19:26:29 -0600
From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [24271] Full Moon Reading List
Message-ID: <3.0.32.19981105192617.00a93780@postoffice.worldnet.att.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi Gang,

If I may recommend a must-have book that every ham (including QRPers) should have on their bookshelf - "The ARRL Operating Manual". I recently picked up the 6th edition of this ARRL classic and it now includes a neat little "Ham Desktop Reference" manual that has every tid-bit that an ham would want at their fingertips, including maps of ARRL sections, CQ and ITU zones, Q codes, Lat/Long& bearings of US and DX cities, etc.

Now, that's only the Desktop Reference. The 420 page Operating Manual has everything else you wanted to know about "ham radio operating" - SWL, Basic Operating, Antenna Orientation, DXing, The Internet, Contests, Operating Awards, HF Digital Communication, Packet Radio, FM & Repeaters, VHF/UHF Operating, Satellites, Emergency Communications, Traffic Handling, Image Communications, References etc. etc. A definitive "Reading Room" choice.

Anyway visit your local ham emporium or log on to Amazon.com and get a copy. If everyone got a copy then we ALL could be Elmers.

Cheers 73/72 Bob N0EB

Bob Gobrick - Stillwater, MN
Internet: rgobrick@att.net

Date: Thu, 5 Nov 1998 17:33:51 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Bruce Prior <n7rr@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [24272] Re: Contest Software which Allows Honest Signal Reports
Message-ID: <Pine.SOL.3.96.981105172951.20512A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bruce,

With TR Log you can send the sig strength with no trouble. The readability and tone I don't know about.

There is a command to use in the logcfg.dat file that will either wait for you to enter the number to have sent in the report or if you don't want

it to sit there waiting it will send a "9" as
the default if you haven't entered something
else before it's ready to send.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 5 Nov 1998 20:21:47 -0500
From: wa8rxi@juno.com
To: n4bp@bc.seflin.org
Cc: qrp-l@Lehigh.EDU
Subject: [24273] Re: CT Shareware
Message-ID: <19981105.211929.-156109.1.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Thu, 5 Nov 1998 12:20:05 -0500 (EST) Bob Patten <n4bp@bc.seflin.org>
writes:

>Don't forget the new NL (Newfoundland/Labrador) section that was added
>
>last year... There might even be one other, but doesn't come to
>mind.
>Best to go through an updated list and edit the sections.dat file
>while comparing.

=====
Another place to look would be Page 12 of any recent QST

72, Rick WA8RXI Taylor, MI

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Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 5 Nov 1998 20:07:14 -0500
From: wa8rxi@juno.com
To: kd1jv@moose.ncia.net
Cc: qrp-1@Lehigh.EDU
Subject: [24274] Re: QSK?
Message-ID: <19981105.211929.-156109.0.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Thu, 05 Nov 1998 11:32:48 Steven Weber <kd1jv@moose.ncia.net> writes:

>always hearing and talking at the same time. No switching required,
>just a
>fancy filter called a duplexer, which keeps the transmitter out of
>the reciever.
>
>72,
>Steve, KD1JV....In the White Mountains of New Hampshire
>
>"Melt Solder"

=====

And, along with the Duplexer is a 666 Channel Frequency Syntesizer in each Transceiver (Cell Phone).
There is a Control Channel 880.020 MHz ,for instance, that sets up the Billing Info, a 34 bit Binary ID
Number based on your (at this time :-) TEN Digit Phone Number, 32 Bit Binary Serial
number that uniquely identifies it in any Cellular System,etc. and Picks a Transmit & Receive Pair
that are 45 MHz apart. Two Examples would be 887.030 / 932.030 and 887.150 / 932.150 .
And, as you can see by the examples the CHANNELS are separated by 30 KHz.

72 - Rick - WA8RXI Taylor, MI.

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Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 05 Nov 1998 21:53:07 EST
From: w4pj@w4bkx.ampr.org
To: qrp-1@lehigh.edu
Subject: [24275] Re: Wire / Rope / 2 half-squares?
Message-ID: <31039@w4bkx.ampr.org>

If a half square antenna is really two 1/4 waves in (or out of) phase,
sounds like 2 half squares is the makings of a 4-Square!
Hmmm, maybe one of the problems (equal currents - ground radials etc)
could be easier to control this way.
Let us know what you find out, Joel.

de Scott / W4PJ Ft. Lauderdale, FL QRP-L #1585 (Pres. SFDXA)
-----= 73 =-----

Date: Thu, 5 Nov 1998 21:05:09 -0600 (CST)
From: Jack Bryant <Jack.Bryant@math.tamu.edu>
To: qrp-l@lehigh.edu
Subject: [24276] fox whereis
Message-ID: <199811060305.VAA07851@fourier.math.tamu.edu>

Anyone hear? Only line noise and slow QSOs heard here.
-Jack W5TFB

Date: Thu, 5 Nov 1998 19:17:02 -0800 (PST)
From: Richard Fisher <ki6sn@yahoo.com>
To: qrp-l@lehigh.edu
Cc: KI6SN@aol.com
Subject: [24277] Spartan Sprint Addition
Message-ID: <19981106031702.26946.rocketmail@send204.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Mark Milburn, KQ0I, writes from Iowa: "Dang, I hate when this happens!" He sent his ARS November Spartan Sprint entry to Russ Carpenter, AA7QU, ARS' contest manager, who is taking this month off from SP duties. "I'm not a winner or anything," he said, "but would like the record to show that I participated."

Let the word go forth that Mark made 3 contacts on 20-meters, and 12 on 40-meters for a total of 15.

His station cruised into the Tubby Division at 30 pounds, for .5 QSOs/lbs.

Mark's Soapbox comments:

"Chased out by lightning about 9:30 PM. I ignored the first two blasts, but the last one was close enough to command attention. Twenty meters got too long too early to do anything good. Lots of activity of 40 meters, sure good to hear, but I think the wet antenna kept my signal down. I was hearing lots of stations very well that couldn't hear me. Looking forward to the next one already."

Thanks to Mark, and once again to all who participated in ARS' November SP. See you in December.

Vy 72,

Richard Fisher, KI6SN

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 05 Nov 1998 19:15:24 -0700
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [24278] Contests K0FRP
Message-ID: <36425BBC.9115EA68@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

30 years of contesting and I ve never made it to 1st place in a power category. State Yes Section winner yes, 10 Ten yes.!!!

I keep trying

1968 San Francisco section was my first win and I was hooked

Progression of methods of contesting and increasing ones score

Hand key

Keyer

Rare state ND

Automatic message numbers

Dupper program to dupe Calls

Computer logging (Commodore 64)

Logging program SCORE (on IBM xt)

CT Logging with keyboard sending and dupe plus numbers WOW

Using two Rigs on different bands, one band in each ear, chase a NWT on one call CQ on other but not simultaneously This is difficult for my over 50 brain.

Progression of antennas

Dipoles and verticals

Tribanders

Quads

Tribander and quad one east one west

Mono banders

Monobanders and tribanders on east one west.

NOT YET BUT NEXT Stacking monobanders

Rigs

TX RX had to zero beat no break in (tx/rx switch)

TX RX but will transceiver (drake twins)

Xceivers

Xcievers with remote VFO

Full breakin CW

DSP processors

Xceivers with DSP

TWO Xceivers borrow one or maybe two for a spare

All in the name of progress and competition , but there was always someone a step ahead of you that had a better plan . I can remember being TOTALLY drained after 24 hours of SS using a paddle and sending wrong numbers at 4am. Now I can call CQ watch the Bronco game with the sound down , make contacts with a single key stroke, no mistakes and feel fine after 24 hours. Plus have the logs ready to Email, both hard and soft copies, in 20 minutes instead of days penciling paper logs.

Progress:

Horses

Covered wagons

Model T s

Paved roads

V-8 engines

prop airplanes

Jets

Concords

Space Shuttle

Transport machines

Some of us try harder and get more toys be beat the other guy.

May QST comes 2nd place missed 1st by 1200 points "oh man" shudda

not stopped to watch the 4th quarter of the Bronco game with sound turned up, Oh well, try harder next year.
See ya in sweeps

Al K0FRP

Date: Thu, 5 Nov 1998 22:31:30 -0500
From: "John J. McDonough" <jjmcd@tm.net>
To: <Jack.Bryant@math.tamu.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24279] Re: fox whereis
Message-ID: <199811060325.6436100@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Pelt #3 at WB8RCR!!!!!!!!!!!!!!!!!!!!!!

Jack - hard to imagine you can't hear the racket - absolutely amazing that Marshall can pull anything out of that mess. Great job Marshall!

72/73 de WB8RCR
didileydadidah

> From: Jack Bryant <Jack.Bryant@math.tamu.edu>
>
> Anyone hear? Only line noise and slow QSOs heard here.

Date: Thu, 5 Nov 1998 22:36:46 -0500 (EST)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24280] RS UNITS FOR 11-2-10 PROJECT
Message-ID: <Pine.SUN.4.01.9811052233340.29326-100000@mariner.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My neighborhood shack hit on at least three of them within Mississippi.
If you want one, call Hazle at the Radio Shack
order number, 800-223-8344. She will take the info, then call you back with a quantity and price.

I have a scout checking a few Wal-marts for the Maxon. I may be able to get two or three, but it's slower for me since I can't just jump into wheels and hit the road. If I can get any extras, I'll let the list know.

73,

Mike Duke, K5XU,
President,
Mississippi Council of the Blind
<http://www.prestridge.com/mcb/>

Date: Thu, 5 Nov 1998 23:06:21 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-1@lehigh.edu
Subject: [24281] Fox Hunt
Message-ID: <19981105.230622.-866847.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Darn, the noise is terrible in FL. Don't know how Marshall can even make a call sign out of the yelping hounds.

He must be good ! But the noise is too bad here and distance too far with all the other hounds.

You are doing a great job Marshall.

Fred W2XN (alias KE6ZX)
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

Date: Thu, 5 Nov 1998 23:24:50 -0500
From: "Ken & Linda Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>

Subject: [24282] Re: Contests K0FRP
Message-ID: <001301be093d\$7a51f880\$7506f0d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Al--A friend once said " He who dies with the most toys--WINS" Nice working
you again in the Fall QSO Party.

Ken/ne0c
Flushing, Ohio

Date: Thu, 5 Nov 1998 23:28:56 EST
From: Zenith9zn@aol.com
To: qrp-l@Lehigh.edu
Subject: [24283] N/T+ Fox Reminder
Message-ID: <579264b6.36427b08@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Just a reminder, I will be operating from 0400 UTC to 0600 UTC on 11/7/98
(11/6/98 2100 MST to 2300 MST) on or around 7105kHz. Hope to see you there.
John KB4UTV Gilbert, Az QRP-L #1758

Date: Thu, 5 Nov 1998 23:45:17 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:mgemm@mtechnologies.com" <mgemm@mtechnologies.com>
Cc: "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, //QRP-L Discussion
Group <QRP-L@Lehigh.edu>
Subject: [24284] Thanks fer FOX tonight
Message-ID: <199811052349_MC2-5F3C-AAF2@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Marshall:

Many thanks for digging me out of the pile. Wow!--sounded like there were hundreds of guys trying for you. You were BOOMING in here, a good 589 during our QSO at 0311.

Operating conditions here were tough tonight. Took way too much time to put up the portable mast with Double Bazooka as an inverted vee at 36'. Temp was 22F with a slight wind, making it hard to do with only working arm. Then sat in the car to operate. Gear literally all over the front seat and dashboard. It's a wonder anything worked....but it did.

Rig = OHR400 at 5 watts. LDG QRP ATU. CMOS-II keyer/G4ZPY mini-paddle.

First time I tried using an automatic keyer, and I believe I stepped on you or someone else with it. Immediately went back paddles only, and that problem went away. Very sorry for causing the inadvertent QRM ;-(.

Sounded like you had a great run, and I will look for your log. Good luck and thanks again.

72/73,
--Doc Lindsey/K0EVZ
DSBF
P.O. Box 7187
Bismarck, ND 58507
E-Mail 70511.3041@compuserve.com

Date: Thu, 05 Nov 1998 22:57:38 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: qrp-l@lehigh.edu
Subject: [24285] Nailed One!
Message-ID: <364281C2.A067EF85@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I was amazed at how strong Marshall was coming into Texas from Colorado this time of night on 40. Gave him an honest 589.

Excellent signal and operating, Marshall!

--
72/73, George
Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County

QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

Date: Fri, 06 Nov 1998 00:04:46 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [24286] FOX
Message-ID: <3642836E.67BF6A63@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Marshall:
Thanks for pelt this evening at 0253. You had excellent signal into
Naples, FL.
all evening and got even stronger as evening went on. Heard you
knocking off hounds one after the other...BAM...BAM. Spotted your nifty
QSL card on "QRZ." Am mailing card & SASE.
72/73, TOM, N1TP.

Date: Thu, 05 Nov 1998 23:58:55 EST
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [24287] Marshall is good!
Message-ID: <31060@w4bkx.ampr.org>

Thanks Marshall. I dunno how you did it. Must've been lucky to peak
at just the right time. My filters tweaked to the max but I can get
away with that. I only have to hear you on one very very narrow passband.
With all the crud - AmTOR / whatever and static crashes from Mitch.

WHEW!

de Scott / W4PJ #1585 (1st Pelt on the belt)
----- 72 -----

Date: Thu, 05 Nov 1998 22:10:02 -0700
From: Dick Schneider <rschneid@ix.netcom.com>
To: N1FN <mgemm@mtechnologies.com>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [24288] FB Sig across town, OM
Message-ID: <364284AA.91510051@ix.netcom.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Marshall/FOX:

Boy you were booming in over here near Colorado Blvd. An honest 559. FB,
OM. C U Saturday at CQC meeting.

72 Dick AB0CD..

Date: Fri, 06 Nov 1998 00:22:32 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: w4pj@w4bkx.ampr.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24289] Re: Marshall is good!
Message-ID: <36428797.107B8BA0@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ditto to that. Marshall sounds like one of the excellent testers who hang
out around 14.002 in the worldwides. HE IS GOOD! 73 to all; Tom, N1TP, in
(again) beautiful, tropical, Naples, FL. "Mitch" has gone on his way but
left behind considerable damage here in S.W. FL. Mitch really did a number
on Key Largo, FL. Hope he did not stir up the Atlantic Ocean too much for
our scuba diving this Saturday.

w4pj@w4bkx.ampr.org wrote:

> Thanks Marshall. I dunno how you did it. Must've been lucky to peak
> at just the right time. My filters tweaked to the max but I can get
> away with that. I only have to hear you on one very very narrow passband.
> With all the crud - AmTOR / whatever and static crashes from Mitch.
>
> WHEW!
>
> de Scott / W4PJ #1585 (1st Pelt on the belt)
> ----- 72 -----

Date: Thu, 5 Nov 1998 22:51:07 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@lehigh.edu
Subject: [24290] Re: Marshall is good!
Message-ID: <Pine.SOL.3.91.981105224331.24040A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The good ops always shine through, no matter what they are doing. I might add that Marshall N1FN is holding 2nd place in the Zombie Shuffle with 28 Q's and 54,657 pts., even inspite of the horrible conditions that night. A lesson to us all that practice DOES make perfect. CQC seems to be blessed with a bunch of A-1 ops and it shows with all their neat operating events, and now the FOXmeister for tonite.

72, Paul NA5N
CQC #133
Zombie #004
PIN #45-038-9927
Witness Relocation #B3394-2

Date: Thu, 5 Nov 1998 23:19:53 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu, cqclist@mtechnologies.com
Subject: [24291] FOX: Quick Report
Message-ID: <199811060616.XAA21638@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hard to believe it was finished an hour ago, but I definitely needed some 807 therapy [g].

It was a real blast, and I would like to thank everyone I worked, and especially those who tried but didn't quite make it-- I'll get you next time. Conditions were pretty good at the start, but had deteriorated substantially by 0415 or so. Surprisingly, I didn't notice any sideband or data QRM which was a pleasant change.

Really, it was a lot of fun and I could be talked into doing it again, e.g. in February. QS0 total at rough count is 94, but the last three were in O/T and probably just for fun. There were plenty of stations available all the

way through so it was pretty much a matter of working them one by one or two by two. More than two at a time doesn't seem to work very well [g]. And I think if I use "ET" rather than Marshall next time I'll have room for a few more Q's.

I won't be able to do the log until probably Tuesday, when I return from NM.

Thanks again...

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382
--

Date: Thu, 05 Nov 1998 23:57:00 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24292] A FOX named MURPHY!
Message-ID: <36429DBC.728@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-Ler's!

Boy was I pumped tonight! Went to lunch at 2200 and set up the OHR in the cab of the loco, with sloper tied off to a broom handle! Started tuning around and found all the hounds! Then I heard Marshall, and he was booming in! Tried to give em a call and my key would not work...&%@#(#))...So, just had to sit back and listen to all the hounds chasing the FOX.

Im starting to have fox withdrawls now. Going to have to fix the keyer and give it another shot next week.I think Im getting rf into the keyer and it's raising havoc.

Marshall, looking forward to meeting you at Socorro. I will be down there early in the morning Sat.

72, Tom WB5QYT Albuquerque

Date: Fri, 6 Nov 1998 00:08:48 -0800
From: "Bill Todd" <bill@willapabay.org>
To: <Zenith9zn@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [24293] Re: N/T+ Fox Reminder
Message-ID: <003c01be095c\$b2fb2fc0\$2b4ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Just a reminder, I will be operating from 0400 UTC to 0600 UTC on 11/7/98
>(11/6/98 2100 MST to 2300 MST) on or around 7105kHz. Hope to see you
there.
>John KB4UTV Gilbert, Az QRP-L #1758

Hi John -

Just for a look see, I QSYed up to 7.105 after the FOX hunt and heard a very
loud broadcast station carrier. Perhaps it will be gone when you get around
to being the Novice/Tech FOX tomorrow night.

CUL, Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Fri, 6 Nov 1998 04:25:45 EST
From: MJC191@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24294] FOX: Hypnotized by the Furry One
Message-ID: <eac494a8.3642c099@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Sometimes you lose:
Got all set up for the hunt at 0145. MFJ warmed up and on freq, Delta Loop

still blowing in the wind, handmade straight key in hand.
At 0201, heard the baying of the pack. Shot off a few calls.
By 0215 Marshall was coming in here to Boston from CO at about 339...
definitely strong enough to work. Following the sweet rhythm of the code...so
soothing and relaxing after a long tiring day.... so what do I do next?
I FALL ASLEEP!
In the chair, with the headphones on, and key in hand!
Wake up with a start ..hearing nothing...no fox, no hounds ...
It's 0413. It's all over.
Next time!

Asleep at the switch,

NA1XX Mike // Weymouth -- yawn-- MA
QRP-L #1588

Date: Fri, 6 Nov 1998 11:06:34 +0100
From: "Johan Bodin" <sm6lkm.jbeab@swipnet.se>
To: <qrp-l@lehigh.edu>
Subject: [24295] SV: miniR2 and R2 phase shifter
Message-ID: <199811061010.LAA03938@mb06.swip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi All,

Pierre Constantineau wrote:

> I have tried to figure out how the phase shifter in the R2 receivers =
works. I
> looked in every textbook I have and I could not find anything on this =
design.
>=20
> Anyone here can make things clearer?

The phase shifter is made of two chains of all-pass filters. They have a =
flat
frequency response but the phase shift varies with frequency.

Each stage of the phase shifter introduces a phase shift which is:

$$2 * \arctan (2 * \text{Pi} * f * R * C)$$

The phase shift in a single stage goes from 0 - 180 degrees when freq.

goes from DC to a very high frequency. It is 90 degrees at
 $f = \frac{1}{2 \pi R C}$.

R and C are the components connected to the non-inverting (+) input of the op-amp. The circuit works equally well if R and C are swapped (provided that the DC bias is arranged ok) with the only difference that the phase shift will change sign.

The idea behind the R2 phase shifter is that the phase DIFFERENCE between the two filter chains is very close to 90 degrees over the frequency band of interest (voice band).

72 de Johan Bodin, SM6LKM

Date: Fri, 6 Nov 1998 06:25:56 -0500
From: kf2ew@juno.com
To: cait.martin@ibm.net
Cc: qrp-l@Lehigh.EDU
Subject: [24296] Re: Teaching Ham Radio to Children
Message-ID: <19981106.062558.6342.2.kf2ew@juno.com>

Caity, hi. You may have seen a message or two about my daughter, Ashley, who recently became KC2EEQ. She passed the novice code test at age 5, and the written test at 6. There was about five and a half months between the two.

I'd like to add to the advice listed below. One, CW definitely comes easy to kids, especially if you make them feel good about it and entice them. When my daughter was learning the code, we probably did about 3 new letters a week. When she had learned them by say, Thursday of the week, I would say to her, "Well, that's our letters for this week. Next week we'll start with the letter G, which is dah-dah-dit. But don't remember that G is dah-dah-dit now, because that's one of our letters for next week. So forget I ever said that G is dah-dah-dit, okay? Well, what do you think were the first things out of her mouth? For the next five minutes, all I heard was dah-dah-dit! Of course, she never knew what I was doing.

There are other fun tricks, too, which at some point in time I may write up.

On the other point on teaching CW first, which is what I did, I say this: don't do it!

If your child is going to learn and become a novice, teach the theory first. Why? I found that during the five and a half months that she

studied for the theory, we put the code aside and she got rusty. Now, after getting her license, and she can operate, her code is not nearly as good as when she took the test. If we had done it the other way around, she'd be blasting right now.

She will be operating Sweepstakes and I'm considering posting a message an hour or two before 4:00 with a plan for what bands she'll be on for those of you who indicated an interest in working her.

Good Luck and feel free to ask me any questions!

Mike, KF2EW

On Thu, 5 Nov 1998 18:36:12 -0500 "Caitlyn M. Martin"

<cait.martin@ibm.net> writes:

>>

>> If your daughter is getting discouraged you might start
>> with the CW part first. Yes, I know you are trying to
>> get the no code tech but the CW might be fun for her.

>> My son has a real blast learning the code. It is one
>> of the first things he asks about when I would get home
>> from work. "Let's go beep dad," is what he says.

>> It's really helping him with his spelling and reading
>> too.

>

>I read somewhere that for young children (under 12) the Novice clas
>license was an easier road into the hobby than the no code Tech. CW
>comes easily to most kids. It did to me when I was 10 in summer camp.
>My parents discouraged it, though. The hard part is the written test.

>

>I think this is just excellent advice.

>

>73,
>Caity
>KU4QD

>

>

>

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 6 Nov 1998 05:39:17 -0600
From: k5ubs@juno.com (Oscar A Hoyt)

To: qrp-1@Lehigh.EDU
Subject: [24297] restart
Message-ID: <19981106.053920.6462.0.k5ubs@juno.com>

unpostpone
Oscar K5UBS Ham since 55

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or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 6 Nov 1998 07:05:58 EST
From: K4NK@aol.com
To: qrp-1@Lehigh.EDU
Subject: [24298] VHF/UHF wanted
Message-ID: <32996734.3642e626@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Gang;

Wonder if any of you might have any 6 meter SSB or 2mt SSB stuff you would like to sell/trade. I might also be interested in 432 SSB stuff. Please E-mail direct and i'll answer on sunday when I get back from Myrtle Beach Hamfest.

thank you

Les Shattuck K4NK

Date: Fri, 6 Nov 1998 07:28:00 EST
From: Shephed@aol.com
To: qrp-1@lehigh.edu
Subject: [24299] Fox: Got him!
Message-ID: <eac4a32e.3642eb50@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Marshall you did a great job last night.

I had you solid 559 all night into Ohio, my Rig is a Knwd TS830s to a Hygain vertical at 5 watts.

The pack was hot and heavy right till the end and I heard a lot of you guys that I normally don't hear. 40 was just great, hope it stays like this for the SS!

72, 73
Dan, N8VZU
QRP-1 #1404
FISTS #4985
Collector of all things Pepsi

Date: Fri, 06 Nov 1998 07:48:06 -0500
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-1@lehigh.edu
Subject: [24300] Tandy Model 100
Message-ID: <1.5.4.32.19981106124806.0068943c@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Sometime back someone mentioned having a logging program for the Model 100, and of course, I've lost the reference.

Anybody got any information about this?

Thanks in advance.

Rick - W4SEA

Date: Fri, 6 Nov 1998 07:57:15 -0500
From: DNT1@chrysler.com
To: qrp-1@Lehigh.EDU
Message-ID: <052566B4.00471AD0.00@Ingodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

> I was amazed at how strong Marshall was coming into Texas from Colorado
> this time of night on 40. Gave him an honest 589.
>
> Excellent signal and operating, Marshall!
>

> --
> 72/73, George

I'll say! Both of the foxes were booming in at my QTH this week, a far cry from the past foxes. I could hear Clif much better than he heard me (evidenced by RST), Marshall about took the front end out of the radio! It's the first time I could pick the fox out with an external filter hooked up & switched to it's tightest setting, sure was nice! Marshall, are you sure that you didn't have a linear hooked up? ;-) Seriously, I don't tend to give out "5 anything", and you were a solid 599! My normal reception is 359-459 so whatever was working for you last night was definitely a boost. Your signal was so strong at the start that for your first 10 or so QSOs I wasn't sure that it was the fox hunt. It sounded like it, the exchange was right but the signals were WAY too strong! Now if we could do that for the N/T+ foxes, still haven't heard one of those!

BTW Brian, I listened for you here in EM64pw from 1000-1131Z when I had to leave for work. Nothing heard here in AL, maybe we need to re-orient your antenna...

72,

Don T. AI4CW QRP-L#1670

Date: Fri, 06 Nov 1998 09:18:27 -0500
From: John Levreault <jlevro@mediaone.net>
To: pierre@cmpe.ubc.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24302] Re: miniR2 and R2 phase shifter
Message-ID: <36430533.8C55DF98@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Pierre Constantineau wrote:

> I have tried to figure out how the phase shifter in the R2 receivers works. I
> looked in every textbook I have and I could not find anything on this design.
>
> Anyone here can make things clearer?

See "Electronic Filter Design Handbook" by Arthur B. Williams, section 7.5 in the 1981 edition. (This book has been republished.) He also references "Normalized

Design of 90 degree Phase-Difference Networks," from IRE Transactions on Circuit Theory, June, 1960.

de nb1i
John

Date: Fri, 6 Nov 1998 09:32:06 -0500
From: n2tpa@juno.com (Bill d Lazure)
To: sm6lkm.jbeab@swipnet.se
Cc: QRP-L@Lehigh.EDU
Subject: [24303] Re: SV: miniR2 and R2 phase shifter
Message-ID: <19981106.093436.7534.0.N2TPA@juno.com>

Gang,

Now to the harder part. I understand how each individual phase shifter works, but is there one formula that tells how a chain of three series filters work together? I'm assuming that the first in the chain will shift 0 - 180deg with it's center freq at 90deg, then the next one in the chain will shift what it is passed another 0 - 180 deg with 90 at it's Fc, and the third does it's thing with the phases it is given. At the output, you get a group of frequencies that have been phase shifted three times. Other than at the three Fc's, how do you know how much each individual frequency has been shifted to determine the resultant "band" that will end up shifted 90 deg.?

Bill
W2EB

Johan Bodin writes:

> They have
>a flat frequency response but the phase shift varies with frequency.
> Each stage of the phase shifter introduces a phase shift which is:
> $2 * \arctan(2 * \text{Pi} * f * R * C)$
>The phase shift in a single stage goes from 0 - 180 degrees when freq.
>goes from DC to a very high frequency. It is 90 degrees at
> $f = 1/(2 * \text{Pi} * R * C)$.

>The idea behind the R2 phase shifter is that the phase DIFFERENCE
>between the two filter chains is very close to 90 degrees over the
>frequency band of interest (voice band).
>

>72 de Johan Bodin, SM6LKM

>

>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 6 Nov 1998 07:45:44 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: John Levreault <jlevro@mediaone.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24304] Re: miniR2 and R2 phase shifter
Message-ID: <Pine.BSI.3.96.981106074424.22139A-100000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Nov 1998, John Levreault wrote:

> Pierre Constantineau wrote:

>

> > I have tried to figure out how the phase shifter in the R2 receivers
> > works. I looked in every textbook I have and I could not find
> > anything on this design.

> >

> > Anyone here can make things clearer?

>

> See "Electronic Filter Design Handbook" by Arthur B. Williams, section
> 7.5 in the 1981 edition. (This book has been republished.) He also
> references "Normalized Design of 90 degree Phase-Difference Networks,"
> from IRE Transactions on Circuit Theory, June, 1960.

>

Also look in the technical bibliographies on my web page under
Phase Shifters. You'll find just about everything there.

/ What's all this \
/ extinct stuff, anyhow? /
\\ -----,-----'
_ |/
oo\
(__)\
\\ \ . ' \

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

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Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

```

-----
Date: Fri, 06 Nov 1998 07:57:08 -0700
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: pierre@cmpe.ubc.ca, qrp1 <qrp-1@Lehigh.EDU>
Subject: [24305] Re: miniR2 and R2 phase shifter
Message-ID: <36430E44.8EC05750@email.mot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

```

>I have tried to figure out how the phase shifter in the
>R2 receivers works. I looked in every textbook I have
>and I could not find anything on this design.

>Anyone here can make things clearer?

I am making use of the same phase shift networks in
an image rejection DC receiver using a new quadrature
product detector.

I didn't understand how the circuit was working either,
so I modeled the R2 circuit on PSPICE. Basically each
op-amp is gain flat, but has an R/C combination that
causes an increasing phase delay with frequency. With
three section, each set to an appropriate corner frequency,
the delay will start falling with the lowest R/C corner
frequency and keep falling off as frequency is increased
to some point past the highest R/C corner.

Something like this:


```

*****
      *
     *
    *
   *
  *
 *****

```

Vertical = delay (degrees), Horizontal = frequency

In three sections, I would expect to see a total range of about 600 degrees of phase change over frequency.

Now the entire goal here is to get *exactly* 90 degrees of phase difference in one side ('I' channel) verses the other side ('Q' channel). How is that done? If one phase delay strip is set up to start its delay fall off later than the other, it will always be behind in phase. Therefore, if we pick exactly the right starting point for the phase delay roll off, the one will be 90 degrees behind the first.

The fact that both of them are going to roll off a total of 600 degree is not relevant. Only the difference in the delay is important.

The hard part is picking just the right R/C values (which the R2 has already done) and using precision components in order to make sure the two delay curves exactly follow the desired phase delay trajectory. The precision of the delay difference will set the amount of image rejection you end up with.

I hand tweaked mine to get about 48 db.

- Dan Tayloe, N7VE Phoenix, Az; Az ScQRPions; QRPL # 696

```

-----
Date: Fri, 6 Nov 1998 10:05:03 -0500
From: DNT1@chrysler.com
To: qrp-1@Lehigh.EDU
Subject: [24306] What a Fox!
Message-ID: <052566B4.0052CDCF.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

```

```

> I was amazed at how strong Marshall was coming into Texas from Colorado
> this time of night on 40. Gave him an honest 589.

```

>
> Excellent signal and operating, Marshall!
>
> --
> 72/73, George

I'll say! Both of the foxes were booming in at my QTH this week, a far cry from the past foxes. I could hear Clif much better than he heard me (evidenced by RST), Marshall about took the front end out of the radio! It's the first time I could pick the fox out with an external filter hooked up & switched to it's tightest setting, sure was nice! Marshall, are you sure that you didn't have a linear hooked up? ;-) Seriously, I don't tend to give out "5 anything", and you were a solid 599! My normal reception is 359-459 so whatever was working for you last night was definitely a boost. Your signal was so strong at the start that for your first 10 or so QSOs I wasn't sure that it was the fox hunt. It sounded like it, the exchange was right but the signals were WAY too strong! Now if we could do that for the N/T+ foxes, still haven't heard one of those!

BTW Brian, I listened for you here in EM64pw from 1000 until 1131 Z when I had to leave for work. Nothing heard here in AL, maybe we need to re-orient your antenna...

72,

Don T. AI4CW QRP-L#1670

Date: Fri, 6 Nov 1998 10:11:42 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: rsealey@InfoAve.Net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24307] RE: Tandy Model 100 Logging/Keyer Program
Message-ID: <21E06269B00ED111BE9B00805F6D0FA348F8F6@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Rick,

I started one thread back in 6/30/98. My original qrp-l-thread.

>>>> snip >>>>

I'm trying to develop a memory keyer and logger for my QRP contest activities using my old Tandy 102. Don't laugh. It's an old original LAPTOP

(80C85 8bit 2.4 MHz) that has a great ROMed BASIC capability for light weight low power 4 AA cell operation. I need to bit bang the RS232 port and the 102 Technical Reference manual should show me the way. I just need to have software control of one of the RS232 lines (or any of the external leads) to drive a keyer. Anyone tried that with a 102 or 101? I'm trying to get ready for the ARS Bumblebee contest in JULY.

If I can get the info I would be glad to share the software developed. Mark, KC4GIA, has helped with a logging routine.

Sam AE4GX ARS Bumblebee #7
>>>> snip >>>

Several folks responded but the only one referenced logging program was on the Tandy archives. It did not have the features I needed so I developed a logging and autokeyer program for the Tandy Model 102 (That's the little original LAPTOP 8 bit CPU - 4 AA cells, built-in keyboard and LCD display) and shared it with the group. I don't know if anyone else tried it. I used in in the ARS contest in July 98. It worked great. To keep things simple and conserve space in the computer I simply collect the logging data and dump it to my regular PC for report generation. You can change the logging format to get an ASCII formating you want.

You can setup five (5) message strings that can be auto keyed to drive an internal relay that has contacts to key an external keying point. You can turn on or off the speaker audio taht monitors the outputing of these strings..

The keyer and logger can be used together or separately. You can modify the code to suit yourself.

If you or others would like a copy of the BASIC source code and the documentation via email attachments please let me know.

Sam Billingsley AE4GX Atlanta, GA

> -----Original Message-----

> From: Rick Sealey [SMTP:rsealey@InfoAve.Net]

> Sent: Friday, November 06, 1998 7:48 AM

> To: Low Power Amateur Radio Discussion

> Subject: Tandy Model 100

>

> Sometime back someone mentioned having a logging program for the Model

> 100,

> and of course, I've lost the reference.

>

> Anybody got any information about this?
>
> Thanks in advance.
>
> Rick - W4SEA

Date: Fri, 06 Nov 1998 10:13:42 -0500
From: Al Gritzmacher <ae2t@bigfoot.com>
To: qrp-l@lehigh.edu
Subject: [24308] An analog man in a Digital world (was: Sweepstakes Logging program)
Message-ID: <2.2.32.19981106151342.009ee91c@localnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Wed, 4 Nov 1998 20:25:16 -0500
>From: n2tpa@juno.com (Bill d Lazure)
>To: QRP-L@Lehigh.EDU
>Subject: [24175] N2TPA: Re: Sweepstakes Logging program
>Message-ID: <19981104.202550.7510.0.N2TPA@juno.com>
>

>Claton and Folks,
>

>I AM NOT flaming this message, but am pretty confused about a key
>concept of Contesting. For the last five or six years, I've participated
>in CW Sweeps. I was proud when I hit 100 contacts, and even prouder when
>I broke the 200 mark. I spend a lot of time trying to raise my code
>speed, striving for 100% perfect copy, and making myself the best
>operator I can be.

>Last year I duped a few people who informed me of that fact even
>before the echo of my transmission had died down. I was truly shocked
>that these people had the time to copy my sig, check the computer, then
>Xmit back the dupe in that quick amount of time.

>Now, I see this message which is essentially asking for a computer
>program that does EVERYTHING except turn the rig on!!

>Aren't contests supposed to be a measure of one's technical ability
>and operating skills?

>If you're using a computer to receive and decipher, log, check for dupes,
>call CQ, Answer a contact, and print (Or Xmit) your finished log, where
>does personal operating ability get involved?

>Simply a point of confusion for me.

>
>Bill
>W2EB
>"An analog man in a Digital world"
>

>Claton Cadmus writes:

>>I also have decided to take the CW SS plunge this year and need a good
>>simple logging program for SS. I would very much like to hear some
>>suggestions, DOS or Windows please. Especially interested in programs
>>that
>>can also send CQ's and exchange.
>----- End forwarded message -----

Yes, contesting is a measure of your operating skills. And those skills include the ability to effectively use the tools available to you.

I regularly contest using a program that does all the following:

- Checks the callsign to see if it is a dupe.
 - Checks a partial callsign against calls I have already worked.
 - Checks a partial callsign against a database of callsigns worked in other contests.
 - Logs the QSO information, checks multipliers, and keeps score.
 - Reads the frequency from the radio.
 - Keys the radio in CW. (Could 'speak' WAV files on phone, if I wanted.)
 - Tune the radio frequency or RIT or change bands from the keyboard, or if I change freq. or band at the radio, the log reflects it accordingly.
 - Shows me which mults I have worked and which ones I need.
 - Shows me where on the band each station I have heard was.
 - Can use DX Cluster packet spots if I want to operate in a class that allows it.
 - Can communicate and share information with another computer at another station in multi-transmitter operation.
 - Control automatic antenna switching, bandpass filter switching, beam headings, etc. (if I had the appropriate equipment.)
- and on and on...

Copying (both CW and phone) is still done by the operator. Most contesters still want that left to the operator. ;-)

You don't need to go to this level if this isn't what you think contesting is for you. You can certainly focus on whatever skills and tools you wish to use and master. Many great contesters have done superb jobs using pencil and paper to log.

The thing about contesting is the real competition is against yourself or against stations comparable to you. We will never beat the 'Big Guns.' But we can beat our score from last year, or our buddy across town.

Although I have this high-powered logging program and some of the equipment to go with it, it doesn't mean that is the essence of contesting. I'd get just as much of a blast out of sitting in a tent with a QRP rig, logging in a notebook (paper type) and probably making a tenth of the total QSOs.

It's really not the tools (or toys) you have, but how well you use them that counts. Contesting is just a way to measure that.

72 and see you in SS,

Al Gritzmacher, AE2T

P.S. - Those looking to try computer logging, take some advice from one who learned it the hard way in the past. Skip the odd-ball programs. You know, the ones "I've written a program for xxxxx contest, it's on my web page. I'm learning Basic" etc. There is nothing more heartbreaking than watching your weekend's work vanish due to a bug in a program!

Use a tried-and-true contest logging program. There are three main ones: CT TR and NA. Many will tell you there are others 'as good' and much of that is personal preference, but these are a.) what most other testers use and can therefore offer advice on, 2.) what the contest sponsors see and can handle log files from and 3.) one program that does all the contests you want, not learn a new program for each contest.

Date: Fri, 6 Nov 1998 07:19:10 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Marshall Emm <mgemm@mtechnologies.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [24309] Re: FOX: Quick Report
Message-ID: <Pine.SOL.3.96.981106071448.23183C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Marshall,

Great Job!

I almost missed getting you.... I was trying to outsmart you and put my sig where I thought you would listen next.

So I had spun the dial to move just a little below your freq when you finished a qso and then called "KU7Y" and sent the exchange.

I sat up and started trying to remember where the heck I had been before spinning the dial!! I knew it was up a bit so I went up about 500 hz and you got me OK!

Good job and good idea to grab a couple of calls at a time.

I'd also like to say that the Hounds this week have been very well behaved!

You guys/gals are getting good!!

(Say HI to all in NM)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 6 Nov 1998 06:56:02 -0800
From: "KE6VHM Frank" <ke6vhm@earthlink.net>
To: <cait.martin@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [24310] Re: SSB QRP
Message-ID: <00b401be099a\$57b759c0\$03000004@f>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Good morning QRPers. Cait - so where do you work on most on those bands? Will give it a look. I work 10M in the novice SSB portion just because there is the most traffic. Also CW from the bottom - up. HTX-100 mobile, but I do have an Icom 706 on base/mobile for the others. So where do we find ya???
72 de Frank

>but I've had some fun there anyway. 17, 15, 12, 10, and 6
>meters are the QRP SSBers dream bands.

Date: Fri, 6 Nov 1998 07:35:46 -0800
From: Brian Murrey <brian@iquest.net>
To: qrp-l@lehigh.edu
Cc: Doc Lindsey <70511.3041@compuserve.com>
Subject: [24311] FOX The dismal log
Message-ID: <36431752.560CDC63@iquest.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well guys, I tried like heck but the propagation forces of evil must have been working.

I got TWO hounds this morning.

339 KD5CMN TX MIKE #1328
129 K1QM MA JOEL No Number copied

QRM at 5AM EST is real bad.....didn't know this.

Had to move off 7.106 immediately, went to 7.118 and stayed there.

--

=====
NORCAL Zombie Brian Murrey KB9BVN QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.8w
=====

Date: Fri, 6 Nov 1998 15:35:32 +0000
From: Charles Olson <jacksonharbor@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [24312] RX320DOS.EXE version 1.11 now available
Message-ID: <19981106153532.QHVL16188@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The latest version (1.11) of Tom Cooper's, (W1EAT, cooper@gmpvt.com)
RX320DOS.exe has been uploaded to the Jackson Harbor Press RX320 page. This
DOS program can be used in place of the Ten-Tec windows software to control
the new RX-320 PC radio - use this URL to access the zipped file:

<http://home.att.net/~jacksonharbor/rx320.htm>

Tom says this version will run faster on older PCs - I can't wait to try it
out on my old Headstart XT.

Best Regards,

Chuck

Chuck Olson
WB9KZY
Jackson Harbor Press
Ham Radio Kits and more!
Washington Island, WI
jacksonharbor@worldnet.att.net
<http://home.att.net/~jacksonharbor>

Date: Fri, 06 Nov 1998 09:45:26 -0600
From: "Peter Hardie" <hardie@shaw.wave.ca>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [24313] 2xway QRP WAS at last!
Message-ID: <36431996.CC90A328@shaw.wave.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For the last several years, I have only needed a 2-way QRP QSO with a North Dakota station to complete 2 way QRP WAS but somehow it has always managed to elude me.

I had told Doc K0EVZ that I needed ND and he Emailed me yesterday and said he would be on 40m before the FOX at about 0230Z. That presented a problem for me because I usually go to bed at 8pm (0200Z), although I usually tackle the Times cryptic crossword before lights out at about 9pm. I sent Doc back an Email saying I'd have to either meet him half an hour before a fox who started at 7 or 8pm, or wait until Doc himself was the fox and work him then (early next year).

But at 8:30 last night I was getting nowhere with the crossword and the thought of that last state just going to waste out there drove me out of bed and back in front of the rig. I fired up the rig for 0.9W and listened around for a few minutes and couldn't find him. But then I heard a CQ followed by the magic callsign K0EVZ. I called him right back and he answered me. We then had a nice chat for about 15 minutes.

So now I have 'em all thanks to Doc K0EVZ. A big thankyou to him!

All that's left now is the QSL card and that will be on its way with a SASE sometime today.

I didn't even try for the fox last night - start time was too late and I have one pelt on the wall already.

But now I have 50 states! All 2 way QRP and all of them QRPP from my end.

Now *that's* cause for a happy dance!

73 de Pete VE5VA
qrp-1 #46

Date: Fri, 6 Nov 1998 07:59:39 -0800
From: "KE6VHM Frank" <ke6vhm@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24314] Re: Filters
Message-ID: <00f301be099e\$7bf9be00\$030000004@f>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Filters on Outlook Express (mail program with Win98 es Internet Explorer 4.01) it is very simple to use. After my post the other day about filters with MS products, I realized that I had changed programs. After recently upgrading to Win98 and I.E. 4.01, I also received the mail program Outlook Express. On Win95 the mail program was Internet Mail, very generic and they both look the same at first. Well the new one has a menu item called Inbox Assistant under the Tools tab. Very user friendly and easy to configure, all point and click. One can easily make a folder during the process of setting a filter. If anyone has any questions on this program, I can help.

72 es good luck in the contest de Frank

Date: Fri, 6 Nov 1998 11:07:44 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-1@lehigh.edu>
Subject: [24315] Contest/Pls Read and join us: 21 Nov 98 LI/NJ-QRP Doghouse Operation Sprint
Message-ID: <199811061608.LAA46400@pimout4-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

Please let's do it again this year and join it!

Announcing the LI/NJ QRP Doghouse Operation Sprint (LI/NJDOS), sponsored jointly by the Long Island QRP & New Jersey QRP clubs. This is the second contest sponsored by the LIQRP and NJ-QRP Clubs, and we would like your support.

Here's a sprint that you can work and still manage to stay out of the doghouse on the Saturday afternoon prior to Thanksgiving. You can play radio, and have plenty of time to mow the lawn, shovel snow, clean the guest room; do whatever it takes to get the house ready for Thanksgiving.

Date and Time:

Saturday, November 21, 1998 1700-2100 UTC

The contest is a single-op QRP CW sprint. Try to operate as many ops in as many area codes as possible. Stations may be worked more than once on different bands.

Suggested QRP Frequencies:

1.810, 3.560, 7.040, 14.060, 21.060, 28.060.

Exchange:

RST, Area Code and first name

QSO points:

2 points per QSO

Power Multiplier:

Less than 1 watt x 10

1 to 5 watts x 7

Bonus points:

Battery/solar operation from home location: 100 points

Portable field location, battery/solar operation with temporary antennas outside of home QTH: 100 points

Total points:

(QSO points x power multiplier) + bonus points

Certificates will be awarded for the highest overall total score and most unique Area Codes worked from each Call Sign Area in the US, Canada and DX country. Area Codes can be counted once per band.

Logs:

Submit logs by December 21st, 1998 to Kevin N2T0. Submit e-mail messages

with attached text files to kfglynn@prodigy.net or snail mail to:

Kevin F. Glynn
429-73rd Street
Brooklyn, NY 11209

Please include an SASE if you'd like to receive contest results. Results will be posted to QRP-L, LIQRP and NJ-QRP by year's end. Late entries will count as check logs.

Good luck to all, and remember, radio and holiday/family do mix!

The Amateur is Balanced...Radio is his/her hobby. He/she never allows it to interfere with any of the duties he/she owes to his/her home, his/her job, or his/her community. I think we can do both here! Join us for the second LI/NJ QRP Doghouse Operation Sprint (LI/NJDOS).

72/73 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Fri, 6 Nov 1998 11:23:09 EST
From: Ab7wy@aol.com
To: qrp-l@lehigh.EDU
Subject: [24316] Re: An analog man in a Digital world (was: Sweepstakes Logging program)
Message-ID: <b5d53969.3643226d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 98-11-06 10:18:16 EST, you write:

<< >Now, I see this message which is essentially asking for a computer
>program that does EVERYTHING except turn the rig on!!
>Aren't contests supposed to be a measure of one's technical ability
>and operating skills? >>

well, im personally split on this issue. myself, i use head copy, an antique bug, an old analog rig and paper log. i enjoy the paper log because years later its like reading an interesting old book about travel and adventure...without ever leaving the house. this is my own personal choice how i like to contest.

however, i also feel that people can make whatever choices they feel will allow them to enjoy the hobby and contesting. whether its with a computer logging program or paper log...it wont hurt my score, ill still talk to them.

73....Adam, N7YA

Date: Fri, 6 Nov 1998 08:28:13 -0800
From: "KE6VHM Frank" <ke6vhm@earthlink.net>
To: <hardie@shaw.wave.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24317] Re: 2xway QRP WAS at last!
Message-ID: <013901be09a2\$d9d1a660\$03000004@f>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Congrats Pete - excellent effort.

>But now I have 50 states! All 2 way QRP and all of them QRPP from my end.
>
>Now *that's* cause for a happy dance!

Amen to that !!!

72 de Frank
>
>73 de Pete VE5VA
>qrp-1 #46
>

Date: Fri, 6 Nov 1998 00:49:30 -0800 (PST)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Ed Loranger <we6w@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [24318] Re: FOX: SAM /KC5TJA
Message-ID: <Pine.LNX.3.96.981106004809.31928D-100000@amethyst.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 5 Nov 1998, Ed Loranger wrote:

> Sam, I'm typing from memory and hope I have your callsign right.

It looks like you do. :)

> Hey, let's set you up with a better antenna. Somewhat self-serving
> since I just KNOW I can get Oceanside, CA with 200 mW, been there
> with my early pixies...

Thanks for the offer :-).

> So email to my we6w@juno.com AND we6w@qsl.net accounts and we'll
> see if we can create the Ultimate Sam-Tenna!

Done.

> (No I won't be sneaky and adjust your beam to QTH WE6W :)

Sorry -- I don't have any room for any beams. I live in a two-story
apartment complex. I'm on the second floor.

```
=====
      KC5TJA/6      |                      -| TEAM DOLPHIN |-
      DM13          |                      Samuel A. Falvo II
      QRP-L #1447   |                      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Fri, 6 Nov 1998 11:49:31 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@lehigh.edu
Subject: [24319] need info
Message-ID: <20393-3643289B-1837@mailtod-131.iap.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

DOES ANYONE KNOW OF THE CALL AND EMAIL ADDRESS OF THE W6 WHO HAS THE
BUSINESS OF BUILDING KITS?, TNX 73 PAT/K8LEN

Date: Fri, 6 Nov 1998 11:03:13 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [24320] FOX: NF1N
Message-ID: <Pine.LNX.3.95.981106104051.18631B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....picture this...another fox hunt...later start tonight...check things out seeing I have the time...dressed warm...small snack....lots of "ammo"....might as well start "walking" through the "woods".... crunch, crunch,crunch...ok, my Marlin Delta Loop is cleaned,loaded and ready..... crunch, crunch,crunch...kinda chilly out here tonight... I can sure see my breath...crunch,crunch,crunch....sure is quiet....crunch,crunch,crunch,crunch. ...hmmmmm...just about time for that 'ol Marshall Fox to be pokin' around... crunch,crunch,crunch.....crunch.....WHOOOAAA!!!!....up I go; straight UP!!!YIKES!!!! BANG!...watch out!...INCOMMIN' COMMIN' DOWN!....BANG!..... KATHUUUMMPPPP!!...on the ground again...oh boy....what happened?...boy I'm gonna need the Ben Gay tonight....brush myself off...I'm tangled up in something here....where's my flashlight.....click.....well I'll be darned...I can't believe what I'm seeing...there 'ol Marshall Fox on the ground at my feet....well can you believe this!?...I must have stepped on Marshall's fox hole at the precise moment he was comin' out for the hunt....up I go....my Marlin Loop goes off...and I've got another pelt!....hee,hee,hee....boy my entire body hurts!...

...72 - hambly, the Scribe.

Date: Fri, 06 Nov 1998 11:43:31 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-1@lehigh.edu
Subject: [24321] FOX - Thanks Marshall
Message-ID: <36433543.6F096496@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all - good fun... even heard Floyd's keyer blow up!

Took all of an hour.. 'ok, gonna try one more time, then pull the plug.. an hour is enough time'... sent the call.. then heard Marshall give the exchange with another station, then 'FN?' hoo wah!! Happy dance & cartwheel!

Marshall was all of S7 to S9 here in Austin, through the 1st hour. Most hunters were pretty well behaved, then I heard Marshall call NQ7X, ... bzappa.. I could picture Floyd scrambling to figure out what happend to his keyer.. kinda sounded like it lost a ground & RF was eating it up. Hope that's all it was Floyd!

Anyhow, thanks Marshall!

cuall

Tim W5FN

Date: Fri, 6 Nov 1998 10:55:43 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-1@Lehigh.EDU>
Subject: [24322] ATTN: BILL CARVER
Message-ID: <199811061753.MAA124282@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bill ,

If you read this , pse e me !!!

If you don't read this , pse e me anyway !!!! :-)

(Sorry to post this to the list , but I've misplaced his e-mail address
along with my marbles !)

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

" I'm cooler than you are. Why don't you fix your little problem and light
this candle ?"
Alan B. Shepard

Date: Fri, 06 Nov 98 12:27:21 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [24323] Brown Brothers Owners
Message-ID: <199811061825.NAA26306@nss4.cc.Lehigh.EDU>

Gang,

The last 24 hours have been interesting. Got a SPAM of 237MB+ yesterday and the ISP is gonna chase that one down. Looks like we nailed the copycat from the other day and the problem that I was having that sent me postal may be related. Thanks to everyone for standing by and it certainly was no fun on this end at all. Again, sorry for the ways things went but things do happen.

Now, the real reason for the posting. I just spent the last 12 hours tearing up the shack and spare bedroom looking for my copy of the Pacificon Compendium which is still in hiding but soon to be found I hope.

But I did find some old photos from Dayton a couple of years ago. In one is a photo of a Wilderness NC40, St. Louis Tuner, and Brown Bros paddle from N9WKE. Nice job on the rig and tuner. BUT the paddle looks like the one I restored, i.e. before I retored it. :-)

So here is the offer. If you have a BTL model and want it fixed send me email. This has become somewhat of a secondary hobby now. Just wanting to see how many are still around and kicking and in use. N9WKE gets first in line. Anyone that reads Carl Sagan for fun has gotta be good. As a side note: I watch Bill Nye the Science guy each day. What a hoot!! :-)

The web page is in flux right now, so no need to send me email of it's problems. Working on it and will have the new elmer stuff by Tuesday and some QRQ stuff that I have been working on for some time and some of you have asked about.

Now less than 14 hours to blastoff for SS. Hope to see you all at the finish line, exhausted but with a smile on your face. Hopefully the foxhunt has helped you pick up some new skills that will make SS and other operating events more rewarding and pleasant. You can say "been there done that".

dit dit

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Fri, 6 Nov 1998 11:50:15 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [24324] Re: miniR2 and R2 phase shifter
Message-ID: <Pine.SOL.3.91.981106112219.7060A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Nov 1998, Dan Tayloe-P26412 wrote:

> Now the entire goal here is to get *exactly* 90 degrees of
> phase difference in one side ('I' channel) verses the other
> side ('Q' channel).
> Therefore, if we
> pick exactly the right starting point for the phase delay roll
> off, the one will be 90 degrees behind the first.

Here at the observatory, we convert our final IF (500-1000MHz) to 0-16MHz baseband using all-pass filter quadrature rejection technique that is being discussed here. The incoming IF is applied to two mixers, where the LO is at 0 deg. to one, and 90 degrees (quadrature) from the other. (We use MiniCircuits LMX-113 mixers, BTW).

The output from the 0-degree mixer goes to a 4 op amp all-pass filter, with the poles set at:

4.69 KHz	--	66.3 KHz	--	631.5 KHz	--	6.168 MHz	"I" channel
1st opamp		2nd opamp		3rd opamp		4th opamp	

And on the 90-degree channel:

20.8 KHz	--	204 KHz	--	1.943 MHz	--	29.771 MHz	"Q" channel
1st opamp		2nd opamp		3rd opamp		4th opamp	

The idea, as Dan pointed out, is that at any given frequency, the total phase shift will always be 90 degrees, at that frequency, between the two channels, even though the overall phase shift can be several rotations.

The outputs of the I and Q channels are SUMMED in another op amp to form LSB, and applied to another op amp DIFFERENTIALLY to form USB. Once properly tuned, opposite side band rejection is in the 35-40dB range, or much better by taking the care to carefully tune each stage. All op amps are AD5539 (or NE5539's).

There are computer programs available that determines what the "pole" frequencies for each stage should be for a desired bandwidth, and from that, the R-C values on each stage can be determined from the equation offered in Pierre Constantineau's post.

For a CW rig, the total bandwidth desired would probably be 0-1 KHz, followed by a couple of active filter stages centered at 750 Hz. I can run this situation through our modeler and see what pole frequencies it comes up with for those interested.

> The hard part is picking just the right R/C values (which the
> R2 has already done) and using precision components in order
> to make sure the two delay curves exactly follow the desired
> phase delay trajectory. The precision of the delay difference
> will set the amount of image rejection you end up with.

And the opposite sideband rejection, which of course is important for that "single signal" detector thing!

> I hand tweaked mine to get about 48 db.

That's pretty darn good.

Been there, done that. Kills an evening or two, huh Dan?

There's been some excellent info lately on qrp-l inside some of these detector discussions, getting down to some real electronics.

Of course one of the things that is interesting, when considering the detector that combines the 0 and 90 degree phase elements to establish the proper sideband, is this is what the TAYLOE mixer does in quite a simplified manner. Instead of using 8 op amps in an all-pass filter, he develops his 0 and 90 degree difference by charging capacitors with a 4 phase clock (operated at 4x the desired LO frequency), with each phase thus being 90 degrees behind the other. Kinda clever, and simple, but performs the same transfer characteristics of an I-Q detector.

72, Paul NA5N

Date: Fri, 6 Nov 1998 14:05:20 -0500
From: "Jim Fielden" <fielden@utkux.utcc.utk.edu>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [24325] 10t Pot Report
Message-ID: <01be09b8\$6652fde0\$b512a980@galaxian>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

I first wanted to say thanks to Jerry, W0MC for the GREAT job on the 10t Pot Group Buy!

I bought two, one for the NC20, and one for my Present NC40a. I just installed the 10t Pot into my NC40a, didn't need to make the hole any bigger, it was a nice fit. The Pot tunes very smootly across the complete 10 turns, I hear no tuning noise, or detect any skipping around. All in All I say it's a great little Pot!!!
Thanks again Jerry!!!

72 * Jim, KU4QW - QRP-L # 1481 - G-QRP # 10117
fielden@utkux.utcc.utk.edu - FISTS # 5380 - QRP ARCI # 9789
<http://www.qsl.net/ku4qw/> - No-SSB International (tm) # 1,000,014

Date: Fri, 6 Nov 1998 19:16:20 +0000
From: Charles Olson <jacksonharbor@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [24326] RE: RX320DOS.EXE version 1.11 now available
Message-ID: <19981106191620.JNGZ2310@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>The latest version (1.11) of Tom Cooper's, (W1EAT, cooper@gmpvt.com)
RX320DOS.exe
OOPS - Tom's email address is cooper@gmpvt.com - sorry folks!

Best Regards,

Chuck
Chuck Olson
WB9KZY
Jackson Harbor Press
Ham Radio Kits and more!
Washington Island, WI
jacksonharbor@worldnet.att.net
<http://home.att.net/~jacksonharbor>

Date: Fri, 06 Nov 1998 12:29:33 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24327] 10m Ringo doc's?
Message-ID: <36434E1D.4CC3@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's,

Anyone have any doc's for the above? Would like a copy..tnx Tom WB5QYT

Date: Fri, 6 Nov 1998 14:37:36 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [24328] Re: Tandy Model 100(2) Logging/Msg Keyer Program *Update*
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3491546@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

The requests for the logging/Msg keyer program has been gratifying. I only hope that someone actually tries to use it and hopefully update it and make it available to others. No use reinventing the wheel from scratch again!

Source code and documentation has been sent to the following:
w5yr,wa4imi,kl7ixi/7,n5hf,wd4et,kk5na,ke0mc,wd4msm,kc4gia,ae4ec,k9am,w6toy,w0ksd,wa7ssa,ad6n,and kd6kwm.

I believe the program will work with the Model 100 or 102. (I don't remember if there is a 101). Hopefully one of the receivers will confirm this fact. Most of us have had this Model 10X in the back of our closets for YEARS! I kept thinking there had to be a use. So here's my solution. You can now roll your own! Recycling at its best!

> Several folks in the July 98 timeframe responded but the only one
> referenced logging program was on
> the Tandy Model 100 CLUB web archives. It did not have the features I
> needed so I developed a
> logging and Message keyer program for the Tandy Model 102 (That's the
> little
> original LAPTOP 8 bit CPU - 4 AA cells,built-in keyboard and LCD display)
> and shared it with the group. I don't know if anyone else tried it. I used

> in in the ARS contest in JULY 98. It worked great. To keep things simple
> and conserve space in the computer I simply collect the logging data and
> dump it to my regular PC for report generation via a NULL modem cable and
> a garden variety PC comm. package to catch the ASCII log file. You can
> change the logging format to get an ASCII formating you want.
>
> You can setup five (5) message strings that can be auto keyed to drive an
> internal relay that has contacts to key an external keying point. You can
> turn on or off the speaker audio that monitors the outputing of these
> strings.
>
> The keyer and logger can be used together or separately. You can modify
> the
> code to suit yourself.
>
> If any others (pass the word to your club members) would like a copy of
> the BASIC source code and the
> documentation via email attachments please let me know.
>
> Sam Billingsley AE4GX Atlanta, GA
>
>

Date: Fri, 6 Nov 1998 13:34:09 -0600
From: n5inz@juno.com (John M Andrews)
To: qrp-l@lehigh.edu
Subject: [24329] Relays and keys....
Message-ID: <19981106.133409.3382.3.N5INZ@juno.com>

Well worn subject...

>From time-to-time I see a posting on cleaning relays and key
contacts. My advice- don't.

The coating on some contacts may be thin at best. If you *must*,
use a well worn dollar bill or even a grocery bag(paper) with
the contacts lightly pressed together.

Keep your files and such other abrasives in your toolbox.

Sorry...just dug something out of my used parts junk-box that
is useless.

72, John = N5INZ

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 6 Nov 1998 14:53:51 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrpl@Lehigh.EDU>
Subject: [24330] Ten Turn POT GROUP BUY
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3491554@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

I also want to thank Jerry/WOMC for all the work he did on making this buy successful. My three units just arrived Priority Mail and look great. They are much smaller than I expected. Can't wait to try them out.

This type and volunteerism and sharing is what this qrpl list is all about. Great job Jerry.

Sam Billingsley AE4GX Atlanta, GA

Date: Fri, 06 Nov 1998 19:59:20 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: qrpl@lehigh.edu
Subject: [24331] Sierra and St. Louis Tuner Cases
Message-ID: <364554bf.51255921@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I really like the cases used for the Sierra and the St. Louis Tuner = projects.

Is there a source for these project cases? Thanks ...

1 Hour to SS ...

--
72 es 73 de Marty, KM7W

Memphis, Tennessee <http://home.earthlink.net/~mwattcpa>
NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM55

Date: Fri, 6 Nov 1998 12:05:20 -0800
From: "Radman" <radman@best.com>
To: <whalen@swcp.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [24332] Re: 10m Ringo doc's?
Message-ID: <199811062003.MAA28308@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Tom,

Normally, one can retrieve the 10M "Ringo" docs at URL:
<http://www.cushcraft.com/main.htm> However, I was just at
their site and the 10M "Ringo" link goes no where today
:-(! I have the docs somewhere deep in paper archive --
if you find no joy send me an email...

72 - Conrad - NN6CW

Anyone have any doc's for the above? Would like a
copy..tnx Tom WB5QYT

Date: Fri, 06 Nov 1998 15:39:27 -0500
From: elawson@lr.net (Ed Lawson)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [24333] Re: Sierra and St. Louis Tuner Cases
Message-ID: <19981106202944.AAA8838@office4.office.new>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Fri, 06 Nov 1998 19:59:20 GMT, Marty Watt wrote:

>1 Hour to SS ...

Huh?

Ed Lawson

Date: Fri, 06 Nov 1998 14:35:52 -0600
From: Ed Manuel <n5em@flash.net>
To: qrp-1@lehigh.edu
Subject: [24334] HR-2600 Mic Question
Message-ID: <3.0.5.32.19981106143552.008c2b00@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers.

Just finished installing my HR-2600 in the car a few days ago. Now I'm trying to figure out why the mic doesn't work. I've got two of these radios and two of the original Uniden President mics. This one worked for about a week this time before failing. Symptom is no transmit audio. PTT works fine. The up/down buttons work fine. Both mics are broken the same way. A third mic from a friend works fine - no problem inside the radio.

Anyone have problems with the actual mic element failing? The wiring appears to be OK - that is always my first check - bad cable.

I figure if I have had two mics fail, someone else has probably solved this problem too.

Thanks.

Ed Manuel, N5EM
Houston, Texas
n5em@amsat.org
n5em@flash.net

Date: Fri, 6 Nov 1998 15:54:46 -0400
From: Greg Weinfurtner <gweinfurt1@ohiou.edu>
To: n5em@flash.net, qrp-1@Lehigh.EDU
Subject: [24335] Re: HR-2600 Mic Question
Message-ID: <v03110707b2690381bb07@[132.235.81.107]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>QRPers.

>
>Just finished installing my HR-2600 in the car a few days ago. Now I'm
A third mic from a friend works fine - no problem inside the radio.
>
>Anyone have problems with the actual mic element failing? The wiring
>appears to be OK - that is always my first check - bad cable.
>

Ed,

Bought my HR-2600 with a bad mic and from what I've heard, it is not untypical. Mine was veeerrrry "tinny" sounding and the cause was that the diaphragm was rubbing against the magnet. I replaced the element with one from another junk CB mic that I had and it works fine.

Sounds like 10 meters is getting some action so hope you get it installed and working!

vy 73 de Greg

Date: Fri, 6 Nov 1998 13:32:02 -0800 (PST)
From: =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>
To: qrp-l@Lehigh.EDU
Subject: [24336] SSB Canceling
Message-ID: <19981106213202.17686.rocketmail@web1.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Gang,

While driving home from work the other evening, straining to copy faint CW through VE-land SSB QRM in the CW segment of 40m, I had an idea. Is it possible to build a canceller for SSB by using the OTHER side-band?

Often, I'll be trying to copy CW through the QRM of a muddy sounding opposite (wrong) side-band of a SSB sig within my passband. ...a "feature" of the OHR-100's barn-door-wide 1KHz BW filter. I thought maybe I could build something that would tune the other sideband (the one outside my bandpass), and use that signal to build a

canceller to null the offending side-band while totally preserving the CW signal I'm trying to copy. I figured it would work, as long as the offending side-band is opposite that of the CW sideband I'm trying to copy. Which is usually the case on 40m. Their complements should differ by about 1.4KHz (or is it 2.8KHz?) assuming a 700Hz offset. Whadda'ya think, folks? Will it work? Alternately, could I use the demodulated sideband "intelligence" to cancel at the audio stage? I am yet to dust off my early 1980's comm elec books to see what happens in regards to phase in SSB, but the concept seemed sound to my sleep-deprived mind after 680 miles of Boston area driving and 20 hrs of meetings on just 3 hrs sleep in 2 days (hence my sappy post the other day). So go easy on me if I'm out in left field, here.

Tnx es 72/73,
-Dale

```
=====
Dale Anderson           In the Mt Washington Valley
KB0VCC                  Conway, New Hampshire
QRP-L #91 / CQC #251    Grid Sq: FN43KX
ARS #234 / FISTS #3172  http://www.qsl.net/kb0vcc
=====
```

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 06 Nov 1998 21:52:50 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24337] Re: Sierra and St. Louis Tuner Cases
Message-ID: <36436f42.58044249@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Fri, 06 Nov 1998 15:39:27 -0500, elawson@lr.net (Ed Lawson) wrote:

>On Fri, 06 Nov 1998 19:59:20 GMT, Marty Watt wrote:

>

>>1 Hour to SS ...

Well, try as I might, I can't get anyone interested in moving to Fri/Sat =
US
time rather than Sat/Sun US time.

Dang. I have Church for 3 hours on Saturday Night and 4 on Sunday. =
Worth a
shot.

:) (Sorry for the confusion)

Date: Fri, 6 Nov 1998 16:51:36 EST
From: MJC191@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24338] re: HR-2600 Mic question
Message-ID: <fcab62cb.36436f68@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed,
I had the same problem with my HR-2510.

A while back ago, there was an article in 73 magazine which suggested
replacing
a blown Uniden mic element with a regular Radio Shack type electret element,
and jumping 8v dc from the rig' s 8v regulator to the hot lead of the electret
for power. Also involved a small pc type pot for level adjust and a couple of
small electrolytic caps for filtering and audio preemphasis, all installed
inside the rig in line with the mic hot audio wire.

I did this mod on my 2510, and the transmitted audio improved greatly, as well
as the average power on ssb. The original dynamic mic element always sounded
flat and never drove the rig to full power.

If you'd like the article, email me and I'll xerox it & mail it off for you.

72

Mike NA1XX // Weymouth MA
QRP-L # 1588

Date: Fri, 06 Nov 1998 17:16:39 -0500
From: "Kenneth W. Evans" <w4du@bellsouth.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [24339] NORCAL Dinner
Message-ID: <36437547.690B0392@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I want to say, "Thank you" to all the NORCAL guys that met me for dinner on Wednesday night. I really appreciate the effort all of you made to get there.

I got a peak at the NC 20 board as well as the opportunity to here the latest on the design. Guys, this worth the wait. Everyone on the NC 20 team needs to be commended for an excellent design and kiting effort, to say nothing about the good will that this creates for Amateur Radio in general and QRP specifically.

The NorCal club is one of QRP's great resources and is doing a great job in promoting our hobby. I'm proud to be a member and associated with these guys.

Again, thanks for a great QRP evening.

72/3,
Ken w4du@bellsouth.net
W4DU

Date: Fri, 6 Nov 1998 16:32:48 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [24340] FOX: NF1N
Message-ID: <Pine.LNX.3.95.981106162228.24800C-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...copied some calls during the hunt...and they were. . . .VE5VA,K0EVZ, AB7QE, W0RW, KD7AEE, W0NW, KI0G, VE6EWM, WE6W, KU7Y, NQ7X, K8CV, K5JTY, KC0EGC, K2VCO, K1MG, W5TH, K5ZTY, WB9RCR, AB7CE, K7TQ, W0RW, W5TB, N0AR, N0KW, W5UHO, VE3ELA, KF4KS, W0KUC, N7MFB, N0DD, WS8D, W0RSP, KI7MN, KF4KW, AA8ZN, N5TW, N1TP, N5TQ, AF5Z, KC1FB, KK5LD, KB5CM, AB0CD, W8SF, VE3JC, KB9IUA AND VE2KN.....there might be some errors here but it gives you the general picture of who I was hearing in Saskatchewan...

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683
"QRP! How sweet it is!"

Date: Fri, 6 Nov 1998 15:44:25 -0700
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [24341] Resonant Speaker project and Patents
Message-ID: <01BE099C.55FC5160.bmug@gwl.com>

With all the talk about sending a package to yourself you may want to look into this.

In a prior life I was in the jewelry business. I would mail things all over the place. The post office would go out of their way stamping seams of my packages so it could be easily verified if it had been opened during shipping (something about a 3 X 5 X 1/5 inch box that was insured for \$180,000 got them nervous).

If you decide to mail to your self do the following:

- Put it in a box or suitable envelope;
- Tape it closed with the brown tape you have to wet to work;
- Over lap the tape so you have just a few seams and have them on the widest part of the box/envelop (no seams on the ends);
- Have the post office use their official stamp and stamp all along the seams so it will be very evident if the box/envelop was opened and resealed;
- Mail it to yourself and put it away; and
- you may want to have a receipt to verify the date you mailed it (just incase it gets lost).

Good luck.

de KB0ROL, Brad

Date: Fri, 6 Nov 1998 17:42:29 -0500
From: "KEITH P. JOHNSON" <KeithJ@1800surveys.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [24342] SWR/efficiency questions
Message-ID: <4FA0968CF63CD211BB4A00A0C9D616A11E3E67@MAIL>
MIME-Version: 1.0
Content-Type: text/plain

I read about antenna feedlines today during lunch, specifically about quarter wave matching transformers. In particular I was interest in the need for a 75 ohm coax, one quarter wavelength long between a 1 wave loop for 7.040 Mhz and a 50 ohm coax feedline. I wanted to know WHY the 75 ohm transformer was expected to work. From what I have found a circular loop configuration (not a square) has a feedpoint impedance of about 135 ohms. The 75 ohm coax is RG 59 U with a velocity factor of .66 making the length required almost exactly 23 feet. OK, I will try it. But what I read stated the mismatch (SWR) will be "trapped inside the quarter wavelength stub" or words to that effect. I can understand the SWR at the transmitter will appear LOW and I understand the calculation that is used to select 75 ohm matching coax line. But how much efficiency is LOST by the use of the quarter wave transformer section?

I cannot recall what my "window" wire impedance is right now, so let me state that it is 450 ohms for the sake of next part of this discussion.

What would yield the HIGHEST efficiency in transferring my 5 watts to an antenna? I use 450 ohm "window" line on my 80 meter horizontal loop and it works well (I guess). I have heard people say "Use open wire and a transmatch to feed the loop." At the transmatch I can tune to reduce SWR (as the transmitter sees it). But at the ANTENNA I have a 450 ohm feedline connecting to about a 120 ohm impedance feedpoint (square loop configuration). How efficient can that be? That is a huge mismatch!

It is as if I am hearing "Match the feedline to the antenna using a quarter wave transformer made of 75 ohm coax." and at the same time I am hearing "Just hook up ladder line and a tuner." How can both suggestions be right (just as efficient)?

Also, if the open wire is efficient with such a mismatch at the antenna, WHY is it considered efficient?

If I use ladder line spaced so that I have a 450 ohm impedance at the transmatch (it expects to see 450 ohms on my transmatch) and I taper the line so that I have spacing set correctly for 135 ohms where it meets a circular shaped loop (I make a gradual transition), will I have NO SWR and will that provide the absolute BEST match? And how MUCH of an improvement will I be able to measure?

I cannot tell you how many hours I have spent looking at my rig and antenna wondering how efficient the ENTIRE SYTEM was.

Thanks in advance for your responses.

Keith KB8FE
Medina, Ohio
Keith@1800surveys.com

Date: Fri, 06 Nov 1998 18:15:52 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [24343] FOX: Proposal to amend FOXHUNT Rules
Message-ID: <36438328.1EA33362@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

N1FN bagged "9 for 9" FOXII during this season's first 9 FOXHUNTS. He noted that he could not get a point "by working himself." I propose that each FOX get one point for being the FOX. In my humble opinion it is inequitable that the FOX misses his/her opportunity to get a point by being the FOX. The existing policy could even dissuade members from volunteering to be a FOX at the price of "forfeiting" opportunities to bag the FOX. Although the FOXHUNT is not a contest, we are "keeping score." Food for thought.

72/73, TOM, N1TP, in beautiful, tropical, Naples, Fl.
Scuba Diver and collector of things "Jiminy Cricket."

Date: Fri, 06 Nov 1998 18:26:44 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24344] Re: Resonant Speaker project and Patents
Message-ID: <364385B3.9BE962EA@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My Dad has been a patent attorney since 1946. He is still practicing patent law. A few years ago he and I were discussing this issue. He informed in in no uncertain

terms that
mailing a letter to one's self make for good movies, T.V., etc., but it is the
equivalent
of an "old wife's tale" and is irrelevant as a matter of law to try to prove
ownership or
possession of an idea, invention, or other "work" at any point in time.

72/73, TOM, N1TP. J.D. G.W. Law, 1969. Member of the "Bar" in Washington, D.C.;
Missouri
and Florida.

Brad Mugleston wrote:

> With all the talk about sending a package to yourself you may want to look into
> this.
>
> In a prior life I was in the jewelry business. I would mail things all over
> the place. The post office would go out of their way stamping seams of my
> packages so it could be easily verified if it had been opened during shipping
> (something about a 3 X 5 X 1/5 inch box that was insured for \$180,000 got them
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seams so
> it will be very evident if the box/envelop was opened and resealed;
> Mail it to yourself and put it away; and
> you may want to have a receipt to verify the date you mailed it (just
incase
> it gets lost).
>
> Good luck.
>
> de KB0ROL, Brad

Date: Fri, 06 Nov 1998 18:29:41 +0000
From: John Paul Keon <jpkeon@bellsouth.net>

To: "klqrp@waterw.com" <klqrp@waterw.com>
Cc: LI QRP Club Server <liqrp@waterw.com>, njqrp <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [24345] Smite to new heights
Message-ID: <36434015.9F9C6879@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, gang, after reading the post by DF20K/Mike, on the Knighlites site, that is really inspiring.....
They have taken it (the SMiTe) to new heights.....and knowing our bretheren over there across the pond, they will figure out a way around the QRM from the radio bcst stations.....
My experience there tells me they will....
Everyone interested 10 is open with some calling CQ, worked two now QRP me him not, and then he qrp too.....fun on 10, now working on 15 and some sigs....
I have to go to work soon, so y'allll have fun on the radio this weekend.

Will listen for everyone during the contest....
JohnPaul/AB4PP

Date: Fri, 06 Nov 1998 17:33:16 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [24346] Re: FOX: Proposal to amend FOXHUNT Rules
Message-ID: <3.0.1.32.19981106173316.0068e274@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A worthy amendment and I'll give it 43 votes*!

>Tom Palmer wrote:
> I propose that each FOX get one point for being the FOX.

* 1 for each year I've been licenced 8^)...

72/73, Chuck, W5USJ, Point, TX EM22cv -- ARCI #5422 QRP-L #1306

Date: Fri, 6 Nov 1998 18:33:15 -0500
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-L@LeHigh.edu>
Subject: [24347] RE: HR2600 microphones = HTX100 ???
Message-ID: <001d01be09dd\$d76e3920\$04000a0a@nwarfiel.usf.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The HTX100 is a nice QRP rig to work 10 meters, I have mine set for 5 watts , and it works great !
The microphone element went dead (open circuit) sometime ago, and I replaced it with one from a hearing aid (very expensive high quality microphones with excellent response curves for voice)
The new replacement mike worked quite well inside the same HTX100 microphone enclosure (this is sometimes overlooked... the acoustic characteristics of the enclosure should be taken very seriously... as it can be the difference between very good and very poor transmitter audio !)
BTW The hearing aid microphone elements are excellent for making low cost high quality BOOM MICS for contest work
Arnie
C02KK

Date: Fri, 6 Nov 1998 16:36:31 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Subject: [24348] Weekend/SS Solar Report
Message-ID: <Pine.SOL.3.91.981106160958.291111F-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

SUMMARY (for those not wanting to read the whole thing)

The sun has produced several coronal mass ejections (CME) the past 3 days, for which the arriving shock waves will disturb our geomagnetic field. The shock wave from the first CME on wednesday arrived today (friday) causing periods of MINOR storming. ACTIVE conditions are expected throughout saturday, with the shock wave of thursdays large x-ray flare and CME expected to arrive late saturday/early sunday, which will cause a MINOR geomagnetic storm that could persist for most of sunday.

For the SS ... this will effect 40M and 80M mostly, and some effects on 20M. The high flux (140's) favors a high MUF for 10-15M. Obviously work the highest band you can, and if you want to work 40M, get as much time on it as you can before late saturday when the geomagnetic storm is expected to hit.

AT QRP POWER LEVELS, your signal gets gobbled up by the increased noise level around A-index = 15 on 40M and A-index = 20 on 20M. Our based on the 3-hour averages, above a K-index of about 4 to 5. So for QRP, it is especially important to work the lower bands early (that is, before the storm hits late saturday) and shift to the higher bands afterwards for a reasonable chance of your signals being above the noise.

>From this information and estimated arrivals of things, should help you plan your strategy.

and of course, GL,
Paul NA5N

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 310 ISSUED AT 2200Z ON 06 NOV 1998

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z
> TO 06/2100Z: SOLAR ACTIVITY WAS MODERATE WITH A 1B/M1 FLARE FROM
> REGION 8375 (N18W35) AT 1511UT.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
> MODERATE TO HIGH.

The potential for some large M-class, or even an X-class flare exists over the next few days. But even if one happens in the next few minutes, it would not effect the Earth until after the weekend, except for the duration of the flare itself (tens of minutes).

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z:
> THE GEOMAGNETIC FIELD HAS BEEN QUIET TO MINOR STORM.

Some minor storming today was the result of the solar wind shock wave arriving from the Nov. 2nd CME ... the smaller partial-halo event.

> NASA GODDARD REPORTED A FULL HALO CME WHICH OCCURRED AT 05/1945UT.
> THIS IS THE FOURTH REPORTED CME IN THREE DAYS.

Satellite imaging has confirmed that yesterdays x-ray flare was indeed also a CME ... meaning it likely has hurled a bunch of particles towards the Earth to keep the geomagnetic field in active to storm levels. The effects of this CME will not reach the earth until monday.

That means saturday.

This is the area of concern for SS participants. The shock wave from wednesdays full-halo CME will smack into our geomagnetic field early sunday (maybe even late saturday, US/VE time), to push the already disturbed field into MINOR STORM levels. This will strongly effect 40M and 80M, with a lesser effect on 20M, especially at QRP levels.

> V. GEOMAGNETIC A INDICES

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> ESTIMATED AFR/AP 06 NOV 018/023 <----- More or less right now
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Thus, expect active conditions SAT, and MINOR storm levels on sunday. If the arriving shock wave is more energetic than expected, it could produce brief periods of MAJOR storming on SUN.
